



2. (Amended) A non-human mammalian embryo comprising a cell whose nucleus comprises the nucleic acid molecule of claim 1.

B<sup>1</sup>  
3. (Amended) A non-human female transgenic mammal in which the genome of the mammary tissue of said female mammal comprises the nucleic acid molecule of claim 1, wherein said promoter is milk-producing cell-specific, and wherein said mammal secretes said biofilament of claim 1.

Q<sup>2</sup>  
SUB D1)  
5. (Amended) [An animal] A non-human transgenic mammal in which the genome of cells that contribute to urine production in said animal comprises the nucleic acid molecule of claim 1, wherein said promoter is urine-producing cell-specific, and wherein said mammal secretes said biofilament of claim 1.

13. (Amended) A method for producing a biofilament, said method comprising the steps of:

Q<sup>3</sup>  
SUB D2)  
(a) providing an embryonal cell [transfected] transformed with a biofilament encoding a nucleic acid molecule that expresses and causes secretion of said biofilament from a milk-producing or urine-producing cell derived from said [transfected] transformed embryonal cell;

(b) growing said transformed embryonal cell to produce an animal comprising biofilament expressing and secreting cells; and

(c) isolating said biofilament from said biofilament expressing and secreting cells from said animal.

14. (Amended) A method for producing a biofilament, said method comprising the steps of: